GOVERNMENT OF INDIA
EARTH SCIENCES
LOK SABHA

UNSTARRED QUESTION NO:2970
ANSWERED ON:16.12.2015
Schemes of Earth Sciences
Jardosh Smt. Darshana Vikram

Will the Minister of EARTH SCIENCES be pleased to state:

(a) the details of schemes or projects implemented or being implemented by the Ministry in Gujarat during the last three years;

(b) the details of funds allocated in this regard;

(c) whether the Government has conducted any survey for continuous rising sea-level in coastal areas of Gujarat; and

(d) if so, the details thereof and the action being taken in this regard?

Answer

The MINISTER OF STATE FOR MINISTRY OF SCIENCE & TECHNOLOGY AND
MINISTRY OF EARTH SCIENCES
(SHRI Y. S. CHOWDARY)

(a) The following Central Sector Schemes of the Ministry have been implemented in Gujarat during the last three years, though the Ministry does not have any specific Centrally Sponsored Scheme (CSS) in Gujarat:

I. Established an Earth Science and Technology Centre (ESTC) in Bhavnagar University to expand focused R&D activities in Marine Coastal Ecology.
II. Varahamihira Chair Professor and Young Fellow in the Indian Institute of Technology, Gandhinagar.
III. A project to study climate change impacts on human, natural and special environment to the Centre for Environmental Planning and Technology (CEPT) University, Ahmedabad.
IV. A project on Bio-fuel granted to Central Salt and Marine Chemicals Research Institute (CSMCRI) Bhavnagar.
V. South Asian Precipitation A Seamless Assessment (SAPRISE) under "Changing Water Cycle" by Indian Centre for Climate and Social Impacts Research (ICCSIR), Ahmedabad.
VI. Legal and Regulatory for the Exploration and Exploitation of the Indian Ocean Resources by Gujarat National Law University, Gandhinagar.
VII. Study of source process and seismic hazard associated with the uninterrupted occurrences of intraplate earthquakes in the Kachchh seismic zone, Gujarat, India.
VIII. Engineering site investigations for dam axis selection in the Gulf of Khambhat under the Kalpasagar Project.
IX. Setting up of 8 Electronic Display boards at Bhadreshwar, Jakhao, Juna Bander, Mandvi, Nanalaija, Diu, Porbandar and Veraval of Gujarat for dissemination of information to fisherman community.
X. Monitoring of marine pollution at four locations at Vadinar, Veraval and Hazira.

(b) The quantum of fund allocation for implementation of the above projects in Gujarat was Rs. 9.047 crores for the last 3 years.
(c) Yes, Madam.
(d) As a part of long-term monitoring of sea level, the Survey of India has established 4 tide gauges viz. Okha, Veraval, Porbandar, Kandla for continuous measurements of sea level along the Gujarat coast. All of these tide gauge stations are transmitting data in real time to the Indian National Centre for Ocean Information Services (INCOIS), Hyderabad under the Ministry of Earth Sciences (MoES). The analysis of past tide gauge records for the Indian coastline regions gives an average sea level rise of 1.29 mm/year for the last 40 years. The Ministry of Environment, Forests and Climate Change (MoEF&CC) had launched an Integrated Coastal Zone Management (ICZM) Project in Gujarat primarily for demarcation hazard line for mapping.